

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented) A process for the production of a casing (1) with protective bellows (2, 2A) for a transmission device, such as a transmission joint, comprising at least two shafts movable at least one of axially and angularly relative to each other, this casing (1) with bellows (2, 2A), of which at least a portion of the bellows (2) is radial, having at each open end a section (3A, 3B) for securement to the transmission device, the method comprising:

injecting a thermoplastic or thermoplastic elastomer into a hollow mold (5) formed by two half shells or a greater number of elements adapted to be brought together to delimit a closed cavity and at least one core (4), each mold (5) having at least one complementary helicoidal screw thread delimiting the molding space, and in demolding the formed casing (1) by relative unscrewing of the casing (1) after opening the hollow mold and the core (4) so as to obtain a single-piece casing,

wherein the largest cross-section of the core or cores (4) is arranged have a diameter less than or equal to the passage section of the securement section (3A) of largest dimension of the casing (1) with bellows (2, 2A), and

the core or cores (4) and the body of the mold (5) have a truncated conical shape.

2-4. (cancelled)

5. (currently amended) The process for the production of a casing (1) with protective bellows (2, 2A) according to claim 1, further comprising:

molding ~~wherein~~ the casing (1) ~~is molded~~ with at least two cores (4) each having a helicoidal screw thread of different pitch, preferably increasing in the direction of the portion of the core adapted to extend to adjacent the securement section (3A) of largest size of the casing (1).

6-13. (cancelled)

14. (new) A process for the production of a casing (1) with protective bellows (2, 2A) for a transmission device, such as a transmission joint, comprising at least two shafts movable at least one of axially and angularly relative to each other, this casing (1) with bellows (2, 2A), of which at least a portion of the bellows (2) is radial, having at each open end a section (3A, 3B) for securement to the transmission device, the method comprising:

injecting a thermoplastic or thermoplastic elastomer into a hollow mold (5) formed by two half shells or a greater number of elements adapted to be brought together to delimit a closed cavity and at least one core (4), each mold (5) having at least one complementary helicoidal screw thread delimiting the molding space, and in demolding the formed casing (1) by relative unscrewing of the casing (1) and the core (4) so as to obtain a single-piece casing,

wherein the largest cross-section of the core or cores (4) is arranged have a diameter less than or equal to the passage section of the securement section (3A) of largest dimension of the casing (1) with bellows (2, 2A), and

the core or cores (4) and the body of the mold (5) have a truncated conical shape.